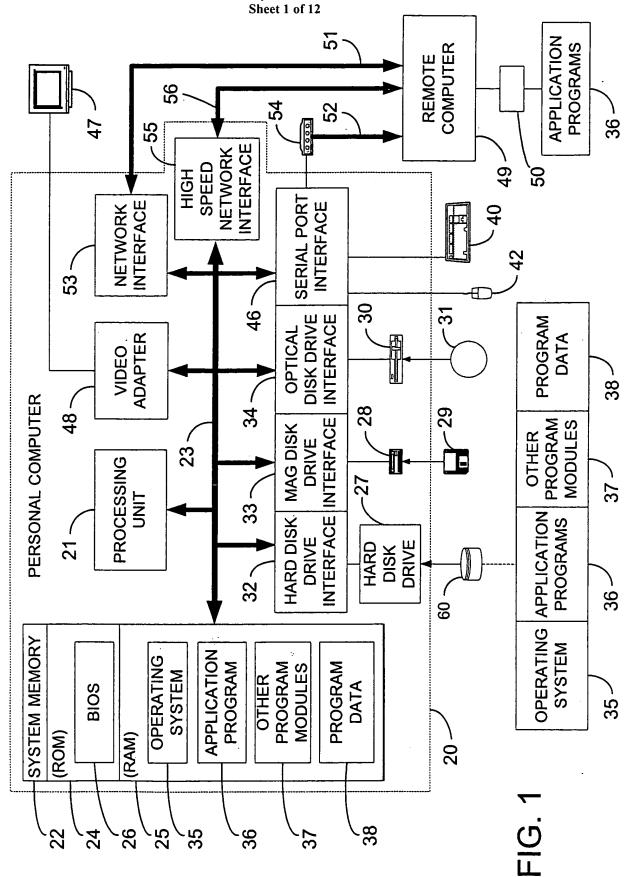
)



Client Computer

Server Computer

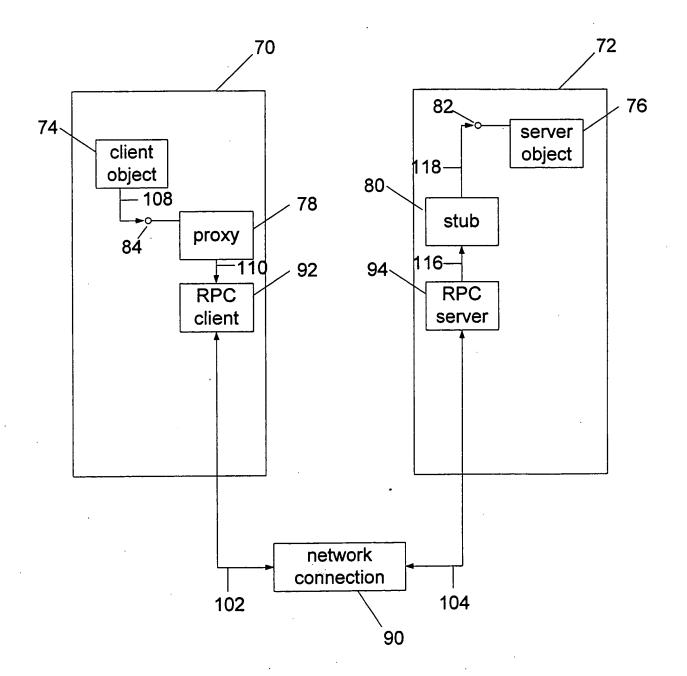


FIG. 2

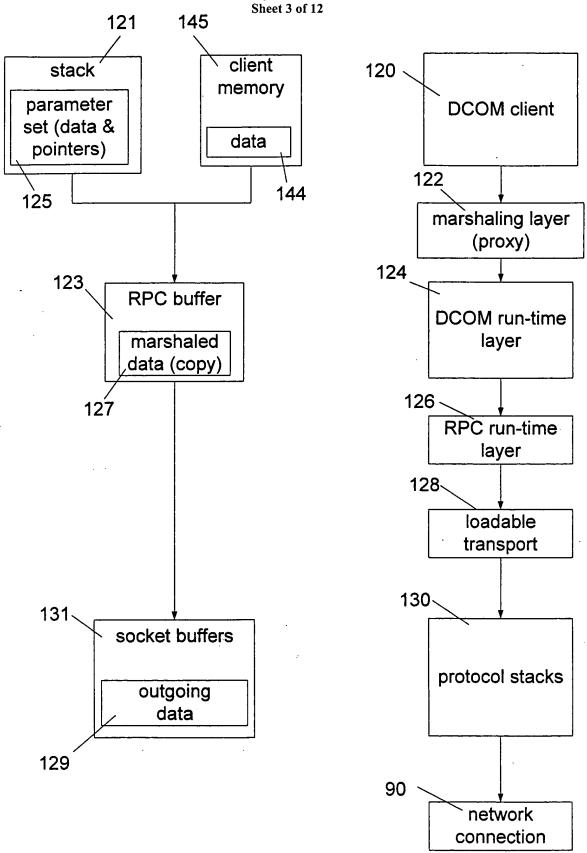


FIG. 3A

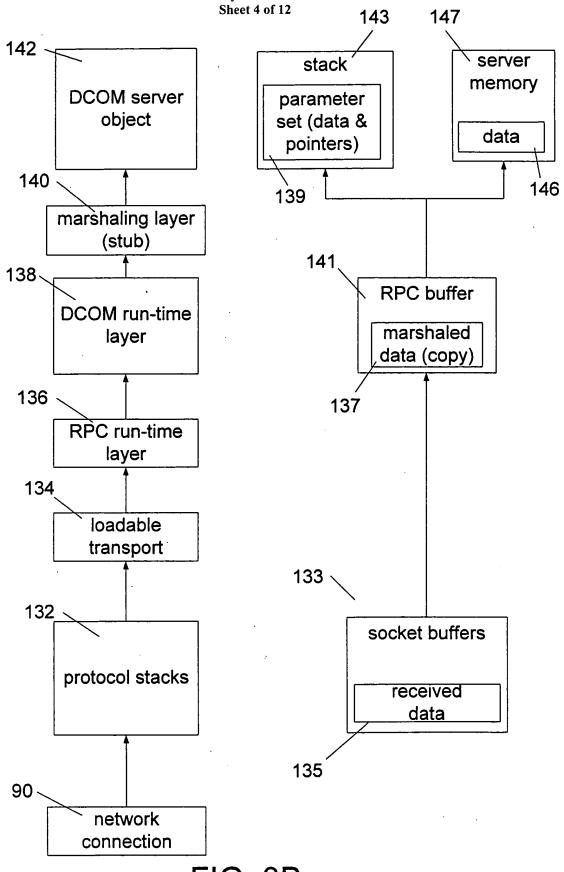


FIG. 3B

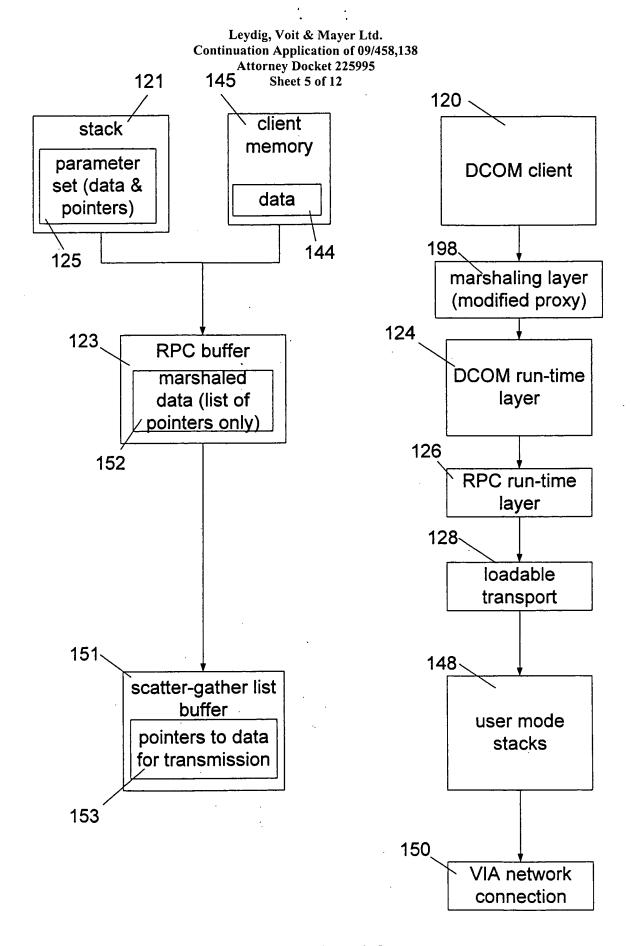


FIG. 4A

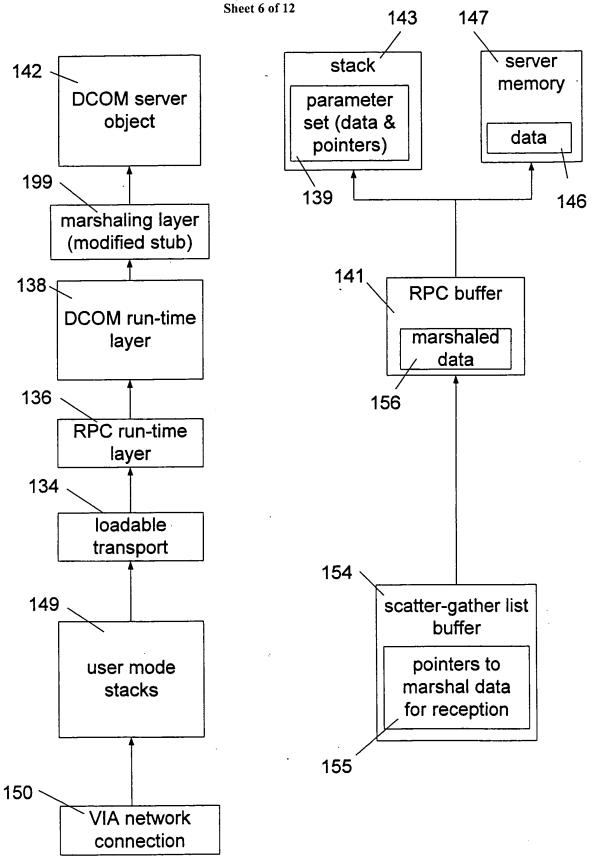


FIG. 4B

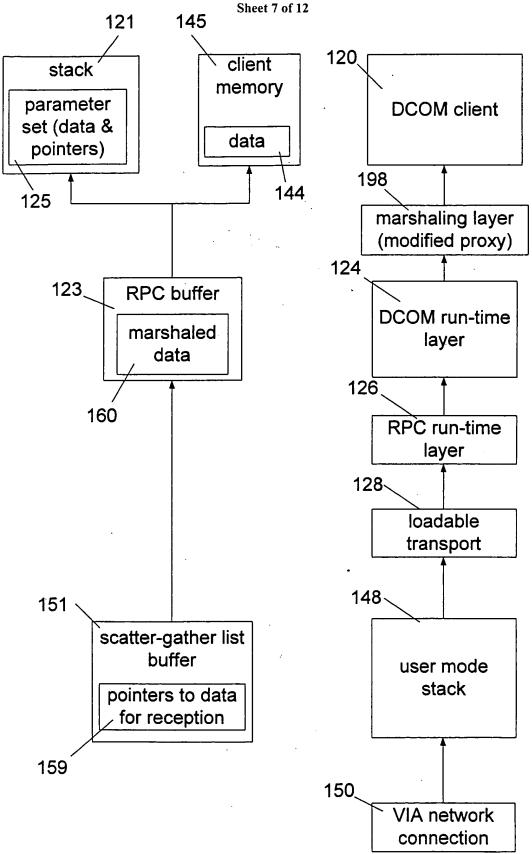


FIG. 5A

Continuation Application of 09/458,138 **Attorney Docket 225995** Sheet 8 of 12 147 143 142 server stack memory parameter DCOM server set (data & object data pointers) 199 146 139 marshaling layer (modified stub) 138 RPC buffer 141 marshaled DCOM run-time data (list of layer pointers only) 136 157 RPC run-time layer 134 loadable transport 154 149 scatter-gather list buffer user mode pointers to stack marshal data for transmission 158 150 VIA network

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FIG. 5B

connection

Continuation Application of 09/458,138 **Attorney Docket 225995** Sheet 9 of 12 174 IPID 2 IPID 1 164 162 176 178 172 IID 1 IID 2 stub 1 stub 2 166 180 **RPC** DCOM dispatching dispatching (stub manager) 168 182 port port address address 170 184 **IP** IP address address 190 **DCOM** dispatching 186 186 RPC RPC dispatching dispatching 188 188 RPC security, thread RPC security, management, socket thread connection management, management, and socket connection association management, and management association management

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FIG. 6

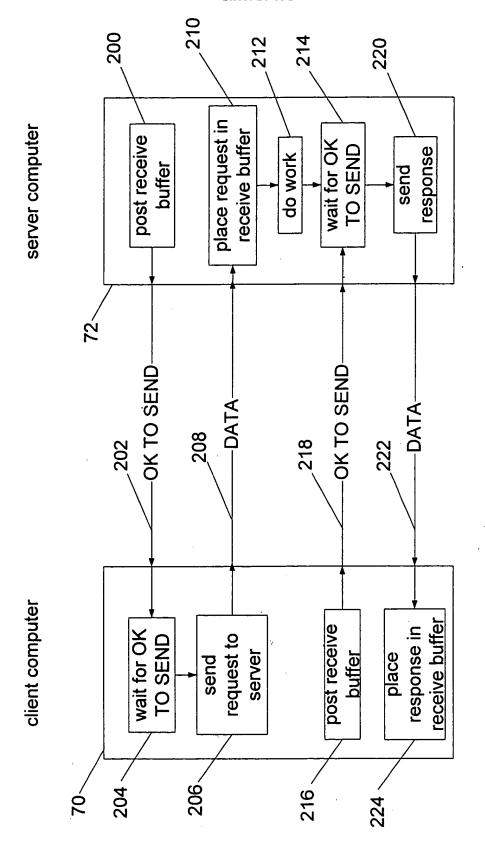


FIG. 7

Leydig, Voit & Mayer Ltd. Continuation Application of 09/458,138 Attorney Docket 225995 Sheet 11 of 12

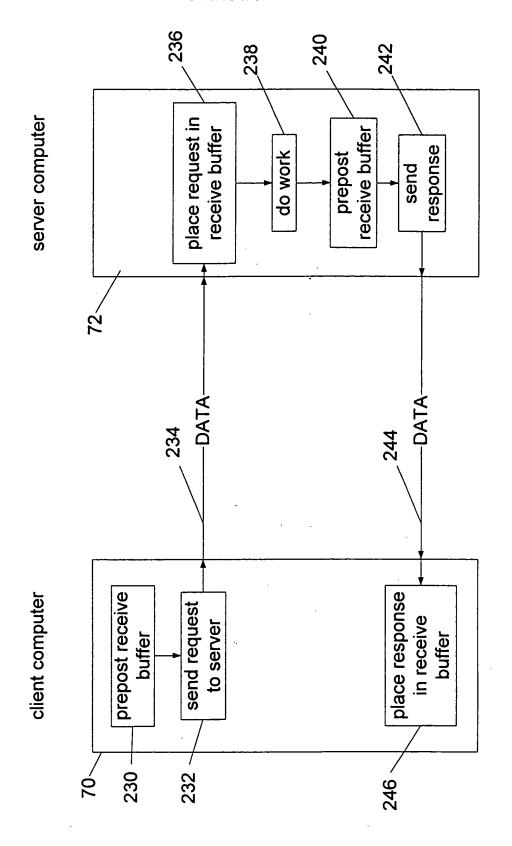


Fig. 8

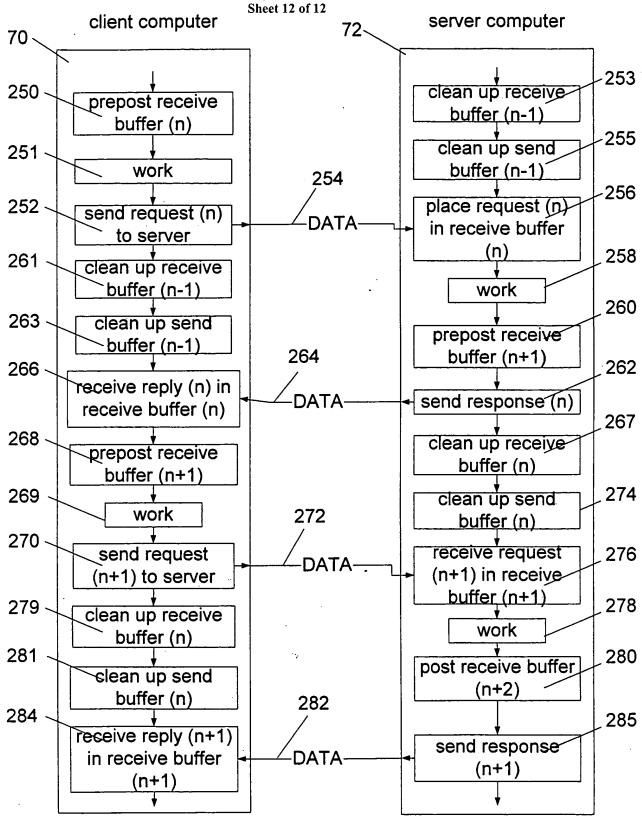


FIG. 9